

Application No.: 10/820,837

Docket No.: JCLA12037

**To the Drawings:**

Please substitute the attached amended FIG. 6 for the pending FIG. 6. The amended portion is the reference numeral 331 changed to the reference numeral 631. Further, "Replacement Sheet" is newly labeled to the legend of the drawing.

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**REMARKS****Response to 35 U.S.C. 121**

In response to the Restriction Requirement mailed on June 12, 2007, a complete listing of all of the claims is presented herewith. According to the Restriction Requirement, the subject application contains seven patentably independent or distinct species because the species are purportedly related to different circuitry which means there are different operations and drivings of these circuits. A restriction to one of these species is accordingly required by the Office under 35 U.S.C. 121.

Applicant would like to elect species I, claims 1, and 7-8, as illustrated in FIG. 2A. Please withdraw claims 2-5 and 9-11 as directed to species 2-7 and as illustrated in FIGs. 2B and 3-7, whereas claims 2-5 and 9 have been amended with markings and appropriate status identifier "withdrawn-currently amended" in the claim listing has been presented in compliance with the manner of making amendments in applications as set forth in 37 C.F.R. 1.121(c). In addition, Applicant respectfully disagrees with the Examiner's assertion stating that none of the claims are generic, which is indicated in page 3 of the Action.

Upon the allowance of a generic claim, Applicant shall be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 C.F.R. 1.141.

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In compliance with said regulation set forth in Rule 1.141 and in MPEP 809.02, Applicant hereby respectfully submits that claim 1 is a generic claim, for all the components recited in claim 1 appear in FIGs. 2A, 2B and 3-7. Hence, species 1~7 are not independent or distinct from one another.

With respect to species 1, it is submitted that FIG. 2A corresponds to claim 1, and appropriate descriptive support for the above interpretation is apparent in paragraph [0026] of the originally filed disclosure, reciting "when the scanning signal Scan is in on state (low level voltage in this preferred embodiment, for example), the P-type transistor 203 is turned on. A complementary-scanning signal XScan is inverse of the scanning signal Scan in this preferred embodiment, for example; therefore the N-type transistor 204 is also turned on." Here, the first gate and the second gate of the transmission gate 240 respectively receive the scanning signal Scan and the complementary-scanning signal XScan, and thus the storage capacitor 231 is charged with the storage voltage  $V_a$  on a node (the current output terminal) 210 during this period. On the other hand, when the scanning signal Scan switches off (being high level voltage in this preferred embodiment, for example), the first gate and the second gate of the transmission gate 240 respectively receive the low-voltage-leveled scanning signal Scan and the high-voltage-leveled complementary-scanning signal XScan. Thereby, the storage capacitor 231 provides the storage voltage  $V_a$  during this period, and a constant current is then sustained between a source and a drain of the current limiting transistor 202.

Accordingly, with use of the complementary transistors 203 and 204 in the transmission

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gate 240, the storage voltage provided by the storage capacitor 231 is not affected by the feed-through effect after the scanning signal Scan switches off.

With respect to species 2, it is submitted that FIG. 2B corresponds to claims 1 and 2. As stated in page 2 of the Action, when comparing FIG. 2A with FIG. 2B, the latter contains two additional transistors 201 and 206. Applicant respectfully submits that the operation of the additional transistors 201 and 206 are in line with the on state or the off state of the scanning signal Scan, for example. Likewise, with use of the complementary transistors 203 and 204 in the transmission gate 240, the storage voltage provided by the storage capacitor 231 is not affected by the feed-through effect after the scanning signal Scan switches off. Hence, species 1 and 2 are not independent or patentably distinct from each other.

With respect to species 3, it is submitted that FIG. 3 corresponds to claims 1 and 3. As stated in page 2 of the Action, when comparing FIG. 2A with FIG. 3, the latter contains two additional transistors 301 and 305. Applicant respectfully submits that the operation of the additional transistors 301 and 305 are in line with the state of the loading signal WriteScan and the state of the storage voltage provided by the storage capacitor 331. Likewise, through the transmission gate 340 identical to the transmission gate 240 depicted in FIGs. 2A and 2B, the storage voltage provided by the storage capacitor 331 is not affected by the feed-through effect after the clearing signal EraseScan switches off. Hence, species 1 and 3 are not independent or patentably distinct from each other.

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With respect to species 4, it is submitted that FIG. 4 corresponds to claims 1 and 4. As stated in page 2 of the Action, when comparing FIG. 2A with FIG. 4, the latter contains two additional transistors 402 and 408. Applicant respectfully submits that the operation of the additional transistors 402 and 408 are in line with the state of the scanning signal Scan and the state of the storage voltage provided by the storage capacitor 431. Likewise, through the transmission gate 440 identical to the transmission gate 240 depicted in FIGs. 2A and 2B, the storage voltage provided by the storage capacitor 431 is not affected by the feed-through effect after the scanning signal Scan switches off. Hence, species 1 and 4 are not independent or patentably distinct from each other.

With respect to species 5, it is submitted that FIG. 5 corresponds to claims 1 and 5. As stated in page 2 of the Action, when comparing FIG. 2A with FIG. 5, the latter contains two additional transistors 501 and 507. Applicant respectfully submits that the operation of the additional transistors 501 and 507 are in line with the state of the first scanning signal Scan1 and the state of the second scanning signal Scan2. Likewise, through the transmission gate 540 identical to the transmission gate 240 depicted in FIGs. 2A and 2B, the storage voltage provided by the storage capacitor 531 is not affected by the feed-through effect after the first scanning signal Scan1 switches off. Hence, species 1 and 5 are not independent or patentably distinct from each other.

With respect to species 6, it is submitted that FIG. 6 corresponds to claims 1 and 6. As stated in page 2 of the Action, when comparing FIG. 2A with FIG. 6, the latter contains two

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additional transistors 601 and 607. Applicant respectfully submits that the operation of the additional transistors 601 and 607 are in line with the state of the scanning signal Scan. Likewise, through the transmission gate 640 identical to the transmission gate 240 depicted in FIGs. 2A and 2B, the storage voltage provided by the storage capacitor 631 is not affected by the feed-through effect after the scanning signal Scan switches off. Hence, species 1 and 6 are not independent or patentably distinct from each other.

With respect to species 7, it is submitted that FIG. 7 corresponds to claims 9, and 10-11. As stated in pages 2-3 of the Action, when comparing FIG. 2A with FIG.7, the latter contains three additional transistors 701, 707 and 709. Applicant respectfully submits that the operation of the additional transistors 701, 707 and 709 are in line with the state of the scanning signal Scan and the state of the storage voltage provided by the storage capacitor 731. Likewise, through the transmission gate 740 identical to the transmission gate 240 depicted in FIGs. 2A and 2B, the storage voltage provided by the storage capacitor 731 is not affected by the feed-through effect after the scanning signal Scan switches off. Hence, species 1 and 7 are not independent or patentably distinct from each other.

In accordance with MPEP 806.04(d), a generic claim should read on each of views respectively illustrating the species. Predicated upon said discussions, all the components recited in claim 1 are illustrated in FIGs. 2A, 2B and 3-7, and thus claim 1 is believed to be generic. Moreover, claims 2-6 and 9-11 are supposed to remain pending for further examination on the merits.

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Since the response to this restriction requirement includes an identification of the species elected consonant with the requirement under 35 U.S.C. 121 and a listing of all claims readable thereon, the response should be considered responsive and in condition for further prosecution. Further, the traverse of the requirement to restrict has been provided hereinbefore, stating the reasons upon which Applicant relies for the conclusion that the requirement is in error. Reconsideration and withdrawal or modification of the requirement is accordingly solicited.

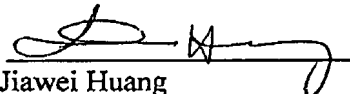
Applicant also reserves the right to pursue the subject matter of the non-elected claims in a divisional application if Applicant so chooses.

If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

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